IN THE CLAIMS:

Please amend the claims as follows:

1.-38. (Canceled).

39. (Currently Amended) A tissue spectroscopy device comprising:

~~a spectrometer comprising a distal end, said distal end comprising:~~

a substrate having a light emitting portion at a distal end of a first surface thereof, the [[a]] light emitting portion providing only ultraviolet (UV) light to tissue, and a light detector ~~;a substrate, wherein the light emitting portion and the light detector are both~~ disposed at a proximal end of the ~~on a~~ first surface ~~of the substrate~~; and

an interventional device for delivering ~~said spectrometer~~ the substrate to a target position adjacent to a target portion of tissue within a living body.

40. (Currently Amended) The device of claim 39 further comprising a filter associated with said light detector permitting only a desired portion of the light incident thereon to pass therethrough~~, filtering at least a portion of light received by said detector~~.

41. (Previously Presented) The device of claim 40 wherein said filter is a bandpass filter centered around 380 nm.

42. (Previously Presented) The device of claim 40 wherein said light detector comprises a first channel and a second channel and wherein said filter is disposed on said first channel.

43. (Currently Amended) The device of claim 39 wherein said light emitting portion comprises a light emitting diode ~~source~~.

44. (Previously Presented) The device of claim 43 wherein said light emitting portion further comprises a lens.

45. (Previously Presented) The device of claim 43 wherein said light emitting portion further comprises a filter, said filter permitting light output only within the UV range.

46. (Canceled)

47. (Currently Amended) The device of claim 39 wherein ~~said spectrometer~~ the substrate further comprises a heat sink disposed on a second surface thereof, the second surface being ~~said substrate~~ opposite said first surface.

48. (Currently Amended) The device of claim 39 wherein ~~said spectrometer~~ the substrate further comprises a light modulator disposed on said first surface ~~of said substrate~~, a mirror disposed on said light modulator at an angle selected to receive light emitted by said light ~~source~~ emitting portion, and an etched gap between said light modulator and said light emitting portion ~~source~~.

49. (Previously Presented) The device of claim 39 wherein said substrate comprises doped silicon.

50. (Previously Presented) The device of claim 39 wherein said light detector comprises an avalanche photodiode array.

51. (Previously Presented) The device of claim 39 wherein said distal end further comprises a

substantially transparent window.

52. (Previously Presented) The device of claim 51 wherein said window comprises a material selected from a group consisting of polystyrene, polycarbonate, and methyl-methacrylate.

53. (Currently Amended) The device of claim 39 ~~wherein said spectrometer~~ further ~~comprises~~ comprising an optical device selected from the group consisting of a lens, a filter, a mirror, a frequency multiplier, a binary optical step, a grating, and a hologram.

54. (Previously Presented) The device of claim 53 wherein said filter is serrated.

55. (Currently Amended) A method for characterizing a tissue, said method comprising the steps of:

(a) delivering to a desired position adjacent to target tissue within a living body ~~providing a spectrometer~~ a substrate comprising ~~a distal end, said distal end comprising~~ a light emitting portion at a distal end of a first surface thereof and a light detector disposed on a proximal end of the first surface ~~of a substrate~~;

~~(b) using an interventional device to deliver said spectrometer to a tissue;~~

~~(c) connecting said spectrometer to a power source;~~

(~~d~~b) transmitting only ultraviolet (UV) light ~~through~~ from said light emitting portion to illuminate said target tissue; and

(~~e~~c) using said light detector to measure an optical property of light reflected from ~~illuminated~~ the target tissue.

56. (Currently Amended) The method of claim 55, wherein step [[(e)]] (c) comprises using a filter to filter out non-targeted portions ~~at least a portion~~ of light received by said detector.

57. (Previously Presented) The method of claim 56, wherein said light detector comprises a first channel and a second channel and wherein said filter is disposed on said first channel.

58. (Currently Amended) The method of claim 55 wherein the light emitting portion comprises a light source and a filter, and said step [[(d)]] (b) comprises using said filter to permit only ~~filter the light from said light source such that the~~ light ~~output is only~~ in the UV range to be transmitted to the target tissue.

59. (Currently Amended) The device of claim 45 wherein said filter permits output of all wavelengths between about 300 nm ~~to~~ and 400 nm.